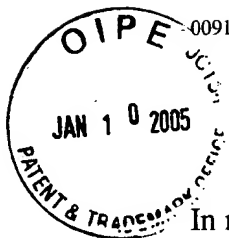


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009105-000015./320457

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of:

Waite et al.

Application No. 09/610,390

Filed: July 1, 2000

THERMAL FLOW SIMULATION FOR  
CASTING/MOLDING PROCESS

)  
) Before the Examiner  
) Mary C. Hogan  
)  
) Group Art Unit  
) 2123  
)  
)  
) January 7, 2004<sup>5</sup>  
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**RESPONSE TO OFFICE ACTION**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Please consider the following response to the Office Action dated October 7, 2004.

The response is being filed within three months of the date of the Office Action and therefore is believed timely. If any fees are deemed necessary, however, please charge any fees due or credit any overpayment to Deposit Account No. 23-3030, but not to include issue fees.

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Mail Stop Amendment, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below			
Typed or printed	L. Scott Paynter		
Signature			Date
			01/07/05